PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/868,885B

DATE: 05/23/2002
TIME: 16:09:00

Input Set : A:\EP.txt
Output Set : N:\CRF3\05232002\I868885B.raw

```
      3  <110> APPLICANT: Takeda Chemical Industries, Ltd.
W-->  4  <120> TITLE OF INVENTION: Use of Peptide
W-->  5  <130> FILE REFERENCE: 2584WOOP
C-->  6  <140> CURRENT APPLICATION NUMBER: US/09/868,885B
C-->  6  <141> CURRENT FILING DATE: 2002-04-17
      6  <150> PRIOR APPLICATION NUMBER: JP 10-369585
      7  <151> PRIOR FILING DATE: 1998-12-25
W-->  8  <160> NUMBER OF SEQ ID: 45
W-->  9  <210> SEQ ID NO: 1
     10  <211> LENGTH: 98
     11  <212> TYPE: PRT
     12  <213> ORGANISM: Bovine
W--> 13  <400> SEQUENCE: 1
     14  Met Lys Ala Val Gly Ala Trp Leu Leu Cys Leu Leu Leu Leu Gly Leu
     15   1               5                  10                  15
     16  Ala Leu Gln Gly Ala Ala Ser Arg Ala His Gln His Ser Met Glu Ile
     17              20                  25                  30
     18  Arg Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg
     19          35                  40                  45
     20  Pro Val Gly Arg Phe Gly Arg Arg Arg Ala Ala Pro Gly Asp Gly Pro
     21      50                  55                  60
     22  Arg Pro Gly Pro Arg Gly Val Pro Ala Cys Phe Arg Leu Glu Gly Gly
     23  65                  70                  75                  80
     24  Ala Glu Pro Ser Arg Ala Leu Pro Gly Arg Leu Thr Ala Gln Leu Val
     25              85                  90                  95
     26  Gln Glu
     27  <210> SEQ ID NO: 2
     28  <211> LENGTH: 294
     29  <212> TYPE: DNA
     30  <213> ORGANISM: Bovine
W--> 31  <400> SEQUENCE: 2
C--> 32  atgaaggcgg tggggcctg gctcctctgc ctgctgctgc tgggcctggc cctgcagggg       60
     33  gctgccagca gagcccacca gcactccatg gagatccgca cccccgacat caaccctgcc      120
     34  tggtacgcrg gccgtggat ccggcccatg gagatccgca cccccgacat caaccctgcc      180
     35  ggggacggac ccaggctcg cccccggcgt ggccggcct gcttccggct ggaaggcggg      240
     36  gctggcaggct cccggacccct cccggggcgg ctgacggccc agctggtcca ggaa          294
     37  <210> SEQ ID NO: 3
     38  <211> LENGTH: 31
     39  <212> TYPE: PRT
     40  <213> ORGANISM: Bovine
W--> 41  <400> SEQUENCE: 3
     42  Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
     43   1               5                  10                  15
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```
      44 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
      45             20                  25                  30
      46 <210> SEQ ID NO: 4
      47 <211> LENGTH: 32
      48 <212> TYPE: PRT
      49 <213> ORGANISM: Bovine
W--> 50 <400> SEQUENCE: 4
      51 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
      52   1             5                  10                  15
      53 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
      54             20                  25                  30
      55 <210> SEQ ID NO: 5
      56 <211> LENGTH: 33
      57 <212> TYPE: PRT
      58 <213> ORGANISM: Bovine
W--> 59 <400> SEQUENCE: 5
      60 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
      61   1             5                  10                  15
      62 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
      63             20                  25                  30
      64 Arg
      65 33
      66 <210> SEQ ID NO: 6
      67 <211> LENGTH: 20
      68 <212> TYPE: PRT
      69 <213> ORGANISM: Bovine
W--> 70 <400> SEQUENCE: 6
      71 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
      72   1             5                  10                  15
      73 Val Gly Arg Phe
      74             20
      75 <210> SEQ ID NO: 7
      76 <211> LENGTH: 21
      77 <212> TYPE: PRT
      78 <213> ORGANISM: Bovine
W--> 79 <400> SEQUENCE: 7
      80 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
      81   1             5                  10                  15
      82 Val Gly Arg Phe Gly
      83             20
      84 <210> SEQ ID NO: 8
      85 <211> LENGTH: 22
      86 <212> TYPE: PRT
      87 <213> ORGANISM: Bovine
W--> 88 <400> SEQUENCE: 8
      89 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
      90   1             5                  10                  15
      91 Val Gly Arg Phe Gly Arg
      92             20
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/868,885B

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Input Set : A:\EP.txt
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```
     93 <210> SEQ ID NO: 9
     94 <211> LENGTH: 93
     95 <212> TYPE: DNA
     96 <213> ORGANISM: Bovine
W--> 97 <400> SEQUENCE: 9
C--> 98 agcagagccc accagcactc catgggagatc cgcacccccg acatcaaccc tgcctggtac    60
     99 gcrggccgtg ggatccggcc cgtgggccgc ttc                                  93
    100 <210> SEQ ID NO: 10
    101 <211> LENGTH: 96
    102 <212> TYPE: DNA
    103 <213> ORGANISM: Bovine
W--> 104 <400> SEQUENCE: 10
C--> 105 agcagagccc accagcactc catgggagatc cgcacccccg acatcaaccc tgcctggtac   60
    106 gcrggccgtg ggatccggcc cgtgggccgc ttcggc                              96
    107 <210> SEQ ID NO: 11
    108 <211> LENGTH: 99
    109 <212> TYPE: DNA
    110 <213> ORGANISM: Bovine
W--> 111 <400> SEQUENCE: 11
C--> 112 agcagagccc accagcactc catgggagatc cgcacccccg acatcaaccc tgcctggtac   60
    113 gcrggccgtg ggatccggcc cgtgggccgc ttcggccgg                           99
    114 <210> SEQ ID NO: 12
    115 <211> LENGTH: 60
    116 <212> TYPE: DNA
    117 <213> ORGANISM: Bovine
W--> 118 <400> SEQUENCE: 12
C--> 119 accccgaca tcaaccctgc ctggtacgcr ggccgtggga tccggcccgt gggccgcttc      60
    120 <210> SEQ ID NO: 13
    121 <211> LENGTH: 63
    122 <212> TYPE: DNA
    123 <213> ORGANISM: Bovine
W--> 124 <400> SEQUENCE: 13
C--> 125 accccgaca tcaaccctgc ctggtacgcr ggccgtggga tccggcccgt gggccgcttc      60
    126 ggc
    127 <210> SEQ ID NO: 14
    128 <211> LENGTH: 66
    129 <212> TYPE: DNA
    130 <213> ORGANISM: Bovine
W--> 131 <400> SEQUENCE: 14
C--> 132 accccgaca tcaaccctgc ctggtacgcr ggccgtggga tccggcccgt gggccgcttc      60
    133 ggccgg
    134 <210> SEQ ID NO: 15
    135 <211> LENGTH: 98
    136 <212> TYPE: PRT
    137 <213> ORGANISM: Bovine
W--> 138 <400> SEQUENCE: 15
    139 Met Lys Ala Val Gly Ala Trp Leu Leu Cys Leu Leu Leu Gly Leu
    140  1              5                  10                  15
    141 Ala Leu Gln Gly Ala Ala Ser Arg Ala His Gln His Ser Met Glu Ile
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/868,885B

DATE: 05/23/2002
TIME: 16:09:00

Input Set : A:\EP.txt
Output Set: N:\CRF3\05232002\I868885B.raw

```
142                    20              25                30
143 Arg Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg
144            35                40              45
145 Pro Val Gly Arg Phe Gly Arg Arg Arg Ala Ala Leu Gly Asp Gly Pro
146        50                55              60
147 Arg Pro Gly Pro Arg Val Pro Ala Cys Phe Arg Leu Glu Gly Gly
148    65                70              75              80
149 Ala Glu Pro Ser Arg Ala Leu Pro Gly Arg Leu Thr Ala Gln Leu Val
150                    85              90              95
151 Gln Glu
152 <210> SEQ ID NO: 16
153 <211> LENGTH: 83
154 <212> TYPE: PRT
155 <213> ORGANISM: Rat
```
W--> 156 <400> SEQUENCE: 16
```
157 Met Ala Leu Lys Thr Trp Leu Leu Cys Leu Leu Leu Ser Leu Val
158   1                5                10              15
159 Leu Pro Gly Ala Ser Ser Arg Ala His Gln His Ser Met Glu Thr Arg
160                    20              25                30
161 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Arg Gly Ile Arg Pro
162        35                40              45
163 Val Gly Arg Phe Gly Arg Arg Arg Ala Thr Pro Arg Asp Val Thr Gly
164        50                55              60
165 Leu Gly Gln Leu Ser Cys Leu Pro Leu Asp Gly Arg Thr Lys Phe Ser
166   65                70              75              80
167 Gln Arg Gly
168 <210> SEQ ID NO: 17
169 <211> LENGTH: 249
170 <212> TYPE: DNA
171 <213> ORGANISM: Rat
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W--> 172 <400> SEQUENCE: 17
C--> 173 atggccctga agacgtggct tctgtgcttg ctgctgctaa gcttggtcct cccagggggct   60
```
174 tccagccgag cccaccagca ctccatggag acaagaaccc ctgatatcaa tcctgcctgg   120
175 tacacggggc gcgggatcag gcctgtgggc cgcttcggca ggagaaggc aaccccgagg   180
176 gatgtcactg gacttggcca actcagctgc ctcccactgg atggacgcac caagttctct   240
177 cagcgtgga                                                           249
178 <210> SEQ ID NO: 18
179 <211> LENGTH: 31
180 <212> TYPE: PRT
181 <213> ORGANISM: Rat
```
W--> 182 <400> SEQUENCE: 18
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183 Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
184   1                5                10              15
185 Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
186                    20              25                30
187 <210> SEQ ID NO: 19
188 <211> LENGTH: 32
189 <212> TYPE: PRT
190 <213> ORGANISM: Rat
```

```
W--> 191 <400> SEQUENCE: 19
     192 Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
     193 1               5                   10                  15
     194 Pro Ala Trp Tyr Thr Gly Gly Gly Ile Arg Pro Val Gly Arg Phe Gly
     195               20                  25                  30
     196 <210> SEQ ID NO: 20
     197 <211> LENGTH: 33
     198 <212> TYPE: PRT
     199 <213> ORGANISM: Rat
W--> 200 <400> SEQUENCE: 20
     201 Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
     202 1               5                   10                  15
     203 Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe Gly
     204               20                  25                  30
     205 Arg
     206 <210> SEQ ID NO: 21
     207 <211> LENGTH: 20
     208 <212> TYPE: PRT
     209 <213> ORGANISM: Rat
W--> 210 <400> SEQUENCE: 21
     211 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
     212 1               5                   10                  15
     213 Val Gly Arg Phe
     214               20
     215 <210> SEQ ID NO: 22
     216 <211> LENGTH: 21
     217 <212> TYPE: PRT
     218 <213> ORGANISM: Rat
W--> 219 <400> SEQUENCE: 22
     220 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
     221 1               5                   10                  15
     222 Val Gly Arg Phe Gly
     223               20
     224 <210> SEQ ID NO: 23
     225 <211> LENGTH: 22
     226 <212> TYPE: PRT
     227 <213> ORGANISM: Rat
W--> 228 <400> SEQUENCE: 23
     229 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
     230 1               5                   10                  15
     231 Val Gly Arg Phe Gly Arg
     232               20
     233 <210> SEQ ID NO: 24
     234 <211> LENGTH: 93
     235 <212> TYPE: DNA
     236 <213> ORGANISM: Rat
W--> 237 <400> SEQUENCE: 24
C--> 238 agccgagccc accagcactc catggagaca agaaccctg atatcaatcc tgcctggtac   60
     239 acgggccgcg ggatcaggcc tgtgggccgc ttc                              93
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/23/2002
PATENT APPLICATION: US/09/868,885B   TIME: 16:09:01

Input Set : A:\EP.txt
Output Set: N:\CRF3\05232002\I868885B.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:44; Xaa Pos. 3,5,10,21,22
Seq#:45; Xaa Pos. 10,11

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:44; Line(s) 404